

From owner-qrp-1@netcom.com Tue Feb 21 21:00:03 1995
Message-Id: <ab70163a05021004b3d0@[192.31.66.240]>
Date: Tue, 21 Feb 1995 15:44:01 -0700
From: ji3m@scubed.scubed.com (James R. Duffey)
Subject: 30 Meter Activity Enhancer

Having read the large number of posts by those wishing to encourage 30 M activity while avoiding contest activity, I would like to suggest an alternate activity to promote operation on 30 M by QRPers. The consensus seems to be that 30 meters is a nice QRP band, having a hybrid quality between 40 and 20 without the QRM, QRO, digital, and broadcast problems of either 40 or 20. Most people seem to favor doing something to encourage more QRPers to operate on the band. Contests seem to be ruled out as far as the original intent of keeping the small bandwidth WARC bands useful.

Coincidentally, I have also been trying to think of an activity similar to the Fox Hunt, but one in which multiple operators could take part in without being constrained by propagation conditions. Also something that those who work the fox early could still take part in. I have spent many evenings trying to hear the fox, or hearing him weakly but at the same time hearing others work him who are strong. Equally frustrating is to hear the fox strong with no takers. It would be nice to work him again without feeling like you are robbing someone else of a chance of working him.

I have thought of playing a form of electromagnetic "tag". An operator is designated as "it". "It" calls CQ on a designated frequency at a designated time. The person who works "it" is then "it" and calls CQ. His contact then becomes "it", and repeats the cycle. As in the childrens game, no touchbacks are allowed. This would pass the QS0 around the country and with some luck, even out propagation conditions. You could answer another station after you had been "it", but not the one who had answered the QS0. This would also have the effect of letting everybody be the hunter and the hunted. I haven't worked out all the details, but it seems to me to be ok for 30 M. One QS0 at a time, all on one frequency. Variations could be tried; if you have an odd number callsign, 1,3,5,7 you could only work an even call sign, and vice versa, or one could use e-mail addresses or zip codes as an exchange. An exchange with rig type and a commensurate requirement that if you had commercial built equipment you could only work homebrews, but if you had a homebrew rig you could work anybody. I envision this as a fun thing with no prizes and no cutthroat competition.

Like I said, this is something that has been rattling around my over active brain since I sat and listened to the first fox I worked work more stations after I had worked him and felt frustrated that I could not participate more. I wanted something more formal than trying to move the last guy to work the fox up 2. It is still only a half baked idea. I would like to have some activity like the fox hunt that would even out propagation conditions, allow participation for a longer time than just one contact, not be a

contest, be fun, and still be challenging.

Any suggestions, comments or takeoffs on this idea are welcome.

Duffey-KK6MC/5

James R. Duffey ((505) 764-3143)
Maxwell Laboratories, S-Cubed Division
2501 Yale Blvd SE Suite 2501
Albuquerque, NM 87106-4125

From owner-qrp-l@netcom.com Tue Feb 21 11:31:36 1995
Date: Tue, 21 Feb 1995 09:13:26 -0330
Message-Id: <199502211243.JAA10309@public.compuserve.com>
From: rgobrick@public.compuserve.com (Robert J. Gobrick)
Subject: 30 meter contest - NOT

qrp-p gang,

Not sure how these threads develop but the conversation started out on some ideas on how to get a little more activity on 30 meters from the qrp-l gang so we can try out our Norcal 30's, NE QRP 30-40's and the Sierra, QRP+ 30 meter functions.

Contests are not encouraged (allowed?) on 30 meters. What I would encourage is maybe a qrp-l 30 meter net. I am not sure if there are any restrictions on having a net on 30 meters - I know the North West QRP club has (still has?) a weekly net up on 10.123.

My suggestion was some sort of "fox" net with random checkins and scheduled net managers rotated around the country. The problem is what is a good time - 30 meters usually begins to fold in the evening, but maybe that will not be a problem as we get more evening sunlight (yea - SPRING).

OK I hope that gets the thread back on track without all the debates about contesting on 30 meters - I was afraid pretty soon the QRP-L would be blamed for sponsoring a major world wide QRPP contest on 30 meters complete with prizes like trips to Bermuda for the annual QRPP convention etc etc etc. PLEASE don't respond to this paragraph...

72 Bob V01DRB/WA6ERB

From owner-qrp-l@netcom.com Tue Feb 21 19:39:30 1995
Date: 21 Feb 95 16:44:23 EST
From: Craig LaBarge <74740.3166@compuserve.com>

Subject: 30 meter contest - NOT
Message-Id: <950221214422_74740.3166_EHB256-1@CompuServe.COM>

Bob, VO1DRB, wrote:

> I am not sure if there are any restrictions
> on having a net on 30 meters - I know the North West QRP club has (still
> has?) a weekly net up on 10.123.

I've often heard traffic nets on 30; usually weekend mornings. Nets shouldn't be a problem. They only occupy one frequency for a relatively short period of time; contests tend to "spread out" and go on for days.

> My suggestion was some sort of "fox" net with random checkins and scheduled
> net managers rotated around the country. The problem is what is a good time
> - 30 meters usually begins to fold in the evening, but maybe that will not
> be a problem as we get more evening sunlight (yea - SPRING).

I second the motion, Bob! I like the idea of a net with rotating net control stations. I'm not sure when the NW QRP net is, but a net a hour before theirs could be interesting.

Anyway, if looks like this thing is going to fly, put me on the list of candidate rotating net control stations. I love this stuff! :-)

73, Craig WB3GCK

From owner-qrp-l@netcom.com Wed Feb 22 00:12:33 1995
Message-Id: <199502220343.WAA01231@slc5.INS.CWRU.Edu>
From: Stephen Trier <sct@po.cwrui.edu>
Date: 22 Feb 1995 03:43:28 GMT
Subject: Re: 30 meter contest - NOT

A net's an idea, but maybe we don't need even that. How about a simple INET-QRP 30m "get-together"? Specify a calling frequency and some time, and go for some CW ragchews on and around the calling frequency. No rules, no formality, and no prize besides fun and maybe a 2xQRP QSL card or two.

There's no need to keep it to 30m. Another time we could have a get-together on 80m CW, 17m SSB, or whatever.

Stephen

--

Stephen Trier "If it sounds good, it is good."
sct@po.cwru.edu - Duke Ellington
KG8IH

From owner-qrp-1@netcom.com Tue Feb 21 14:44:56 1995
Date: Tue, 21 Feb 1995 12:24:17 -0500 (EST)
From: CEBIK@utkvx.utk.edu
Subject: Re: 30 meter USE: time and frequency?
Message-Id: <Pine.3.89.9502211236.A545272921-0100000@utkvx.utk.edu>

Why not set a daily time and frequency from experience and see how the activity is--who can get there on what days--then discuss the results here to refine matters into something less daily but still regular. With a number of new rigs to show up on the air in the next few weeks, I suspect that keeping the discussion alive until they all arrive may be useful as a reminder--or I'll just ask when mine arrives.
LB, W4RNL

From owner-qrp-1@netcom.com Tue Feb 21 22:42:35 1995
Message-Id: <2f4a8845.wa8tzg@wa8tzg.mi.org>
Date: Tue, 21 Feb 1995 19:41:40 EST
From: wwm@wa8tzg.mi.org (Bill Meahan)
Subject: Re: 30 Meters

NO contests! NO nets! NO certificate chasing NO foxes!

PLEASE leave some place free for rag-chewing, experimenting or general putzing around.

(Now ask how I REALLY feel :-)

72.7973

--

Bill Meahan WA8TZG wmeahan@wa8tzg.mi.org
Member of: ARRL, IMRA, NorCal QRP, G-QRP (#8468), IEEE Computer Society
Hey, this is my OWN computer! I can say what I want!
cat: a purr bearing mammal

From owner-qrp-1@netcom.com Tue Feb 21 16:23:39 1995
Message-Id: <199502211855.AA16840@zia.aoc.nrao.edu>
Date: Tue, 21 Feb 1995 11:55:53 -0700
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: Re: 30M QRP Activity

A couple of 2 cents worth ...

- * I agree that running a pure "contest" sort of activity on 30M would pushing the band use plan. It would give QRPers a bad name and could start all sorts of hate and discontent towards us.
- * Bob was not suggesting a contest, as much as ideas for boosting QRP activity on 30M.

But ...

- * Consider the original purpose of the 10-10 club ... to encite activity on the floundering 10M band. Now that band is fairly well used (working around sunspots) and the 10-10 gang is still alive and well and deserve credit for their part in preserving 10M for amateur radio use.
- * There should be nothing wrong with a "net" type of operation. Stations check into the net control station (the fox?), exchange signal reports and whatever. There could also be a system of having several net controls (foxes, one on each coast, one in the middle of the country, etc. separated by a few KHz) for more variation and opportunity to work the stations.
- * What is the policy regarding special event stations on 30M? Could not a regular every saturday on 10.140 station-to-work kinda simply qualify as a special event station, which I think conforms to the band plan?

My understanding of the no-contest on 30M rule is hams must no interfere with the fixed services sharing the band. This could not be assured during a contest with the typical behavior/pileups usually occuring. But as long as the use is orderly and respecting other users, net operation, special event stations, etc. to promote band use should fall into the proper band usage.

Perhaps we need to accumulate some ideas and run them past the ARRL for their reading. Personally, I rather like the fox concept, perhaps with some expansion and more foxes to work during one sitting.

71.99999999 (using Pentium chip), Paul NA5N

From owner-qrp-l@netcom.com Tue Feb 21 14:27:57 1995

Message-Id: <2f49f5c7.pandora@pandora.uucp>

Date: Tue, 21 Feb 1995 22:16:37 +0800

From: "W. Daniel, 9V1ZV" <pandora!daniel>

Subject: A home for the logger

Is there an ftp site where I can place my logger so people can get hold of it and use it? I am wondering also, if I should make the 9000 lines of source code available?

73 de 9V1ZV Daniel

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```
+-----+-----+
| Daniel Wee | daniel%pandora@lugs.po.my |
| 9V1ZV      | daniel.wee@f516.n600.z6.fidonet.org |
| UUCP1.12j  | Packet: 9V1ZV @ 9V1VS.SGP.AS -- |
```

+-----+-----+
From owner-qrp-1@netcom.com Tue Feb 21 16:58:08 1995
Message-Id: <n1418750000.15791@msmailgw1.arlut.utexas.edu>
Date: 21 Feb 1995 13:14:23 -0600
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: A Systems Approach to Rig problems

Geoff WA1U related his 30/40 rig problem and got one idea from the list that it might be related to a faulty voltage regulator.

I was thinking the same thing from the symptoms, but not being familiar with this particular rig, was waiting for others who were owners to comment.

As an aid to the list, let me set down some troubleshooting ideas from various sources that have aided in 38 years of keeping rigs working, making them work, or repairing instruments, radio receivers and TV. These concepts are not unique, but seem not to be taught in the ham community. They should be a part of our tests for skills in license exams in my opinion, if we are to remain technically competent.

1. Try to think of the failing device as a system of stages, and which of these could cause the symptom(s).
2. Before spending much time on the detailed circuit; always start by making sure the power supply is correct in voltage, current capability, and stable. Make sure it is not producing a hum, or other noise. This might require a sensitive Voltmeter that can measure DC/AC in the presence of the other. Luckily today, many inexpensive digital meters do just fine at this. Of course, having a scope gives an overall picture of the DC and AC situation, as well as detecting transient problems if of wide bandwidth. Extend your analysis of the circuit from the power supply then to each of the power regulating components. This will naturally cover the filters, bridges, and 3 terminal regulators. Be aware, that 3 terminal regulators will work after a fashion without some of the filtering suggested by the regulator manufacturer. But this may be a source of trouble when attempting to draw maximum current. Such a case was found in the Atlas radios of early design, where an 6 volt 3 terminal regulator was strapped up to 8 volts with an added diode, but without a reservoir capacitor to sustain the peak currents. The result was FM'ing of the rig when the battery supply in mobile use dropped below full charge, or the motor was not running. In AC supplies, loss of one leg of a bridge can cause strange problems, yet at first glance one might not notice the power supply as a cause.

Many problems are ultimately the power source or supply rather than some down circuit cause. Don't underestimate the grief an inadequate current supply, (limited on AC, or discharged battery) can cause to an otherwise working circuit.

Now if Geoff had a crystal controlled circuit; one would probably want to determine if the frequency shift was due to the oscillator, or indeed related to his other symptoms of power and tuner. The half split method of trouble shooting reduces the hunt from the entire circuit to one half at a time. By disconnecting one half of the circuit, like a power amplifier stage, one can determine if earlier stages are working correctly on their own. If the oscillator was found to be doing the FM symptom, on its own, and was of crystal control, one would then try a different crystal, test that the circuit was tuned up correctly re inductors and capacitors, that feedback capacitors were of the correct value, that resistors were of the correct value, etc. Now of course, going back to the first concept, the first tests in the split off portion of the circuit would be voltage measurements to see if the power was correct at each active element (transistor or tube).

If in half splitting circuits, one determines correct operation of the first half tested; it may point to the other half as the cause of problems. More attention, and added simplification by another splitting can be done to the suspicious circuit half. You continue in this way, working within the split halves from the input to output of stages until you find a good input produces a bad output. Thus, you have localized your problem. Extensive feedback paths can mask this, but it works well in simple transmitters and receivers. It is always good to be able to start with the knowledge the circuit has worked correctly before the problem. However, when newly constructed circuits are the problem; you must rely on the fact the designer got the original to work and go from there. Look for the simple things first. Errors in wiring, assembly, and solder.

It is helpful to have or draw a simple schematic, or copy the original schematic so that you can use colored pencils to trace the steps of assembly or testing as you go through the circuit. I like to use blue pencil as I build and a red pencil in troubleshooting to "map" where I have been in the circuit. When you end up with no pencil line through a component, you have found the omitted part at the construction stage. The use of the tracing of lines makes it possible to stop and start troubleshooting as time permits. Make notes in the margins or note any voltages, signal waveforms, etc. right at the point they were measured. This will be invaluable for later analysis, if done at the construction stage, or upon a working version of the circuit.

Other aids to circuit trouble shooting are to remember the power consuming parts of the circuit, that tend to heat up may fail before the low power parts. Those parts that may suffer if their output accidentally is shorted would be vulnerable over those that can drive a low impedance. There are many good books out there to learn these and other trouble shooting shortcuts and procedures. One of the very readable authors of these is John Lenk. He has a series of solid state repair texts. Use common sense at each stage of the process, and avoid the random acts of changing out components that may be O.K. You will have a working circuit in less time and frustration.

From owner-qrp-1@netcom.com Tue Feb 21 14:43:28 1995
From: Gary M Diana <gmd@rfc.comm.harris.com>
Message-Id: <199502211751.MAA23418@usc02.rfc.comm.harris.com>
Subject: AGC: Easy Add-on Circuit
Date: Tue, 21 Feb 95 12:51:35 -0500

Hello All -

Anyone out there built the AGC circuit from the Feb 95 QST?
I got mine going a couple weeks ago. Bought the board from FAR,
and got the components locally as they are very common ones.

I have not played with the circuit much, but it seems to work
nicely as an add-on. I put the AGC circuit between my Epiphyte
and external audio amplifier. The effect of the AGC circuit is
to set a limit as to how loud a signal is allowed to be, and at
the same time to amplify low those lower (qrp?!) signals.

Problems building the circuit? Well, I believe that the ground
connection is silk-screened incorrectly on the circuit board; it
should be about 1/4" southeast of its current location. Did the
board work on first power up? Of course not... I won't tell you
that it took several component replacements and a couple hours
of staring to figure out that the audio input to the op-amp was
shorted by an "invisible" solder bridge! Didn't figure it out til
I tested for, and detected, 0 ohms of resistance between the input pins.

I'm interested if anyone has the same opinion about the circuit
board silk screen, before I contact the author/FAR.

73, Gary N2JGU

From owner-qrp-1@netcom.com Wed Feb 22 00:20:52 1995
From: JEVERHART@cayman.VF.MMC.COM
Date: Tue, 21 Feb 1995 22:42:07 -0500 (EST)
Message-Id: <950221224207.224504cc@carib.vf.mmc.com>
Subject: Bounty From Batteries

Gang,

Here's a QRP/homebrewer related piece I wrote recently and decided to share
with the QRP List.

-----Included File-----

Bounty From Batteries

I'm always looking for "something for nothing". These days a fashionable name for this is "recycling". One of the things I do is to disassemble ubiquitous spent 9-volt rectangular batteries. They usually have a strong steel outer wrapper of that can be carefully pried apart to reveal the guts. Most of the battery is unusable and should be properly disposed of - preferably in a battery recycling container. In the South Jersey area, they can usually be found in schools, firehouses and government offices. Practices in other areas may vary...

The salvageable part of the battery is the connector on top. It has two round clips on a plastic or fiber insulating plate. There is one female and one male clip that will mate with clips on other 9-volt's. All you have to do is cut off the connecting leads to the old battery pack and solder on a couple of wires (easiest with fiber insulation. Don't overheat the clips on plastic insulators). I prefer red and black leads to denote positive and negative, respectively. Carefully note the polarity. As a CONNECTOR, the female clip is negative and the male is positive. Note that some batteries have + and - signs stamped into the insulating plate. Since they came from a BATTERY, they are just opposite what you need for a battery CONNECTOR. After soldering on the wires, I like to clean the connector up with a little alcohol and protect/insulate the back of the clips with a little RTV. Presto - a free battery connector!

While performing these dissections, I noticed that there are generally two types of internal 9-volt battery construction. Carbon-zinc and most alkaline batteries use a "stacked cell" type of structure. For this, there are six 1.5-volt flat rectangular cells stacked one atop another and surrounded by some sort of plastic covering, or just a wax coating. Electrical connection between cells is by virtue of their being held end-to-end. Connections to the two clip connector is via two metal strips pressed onto the ends of the stack of cells and insulated by pieces of cardboard. The second type of construction I have found only in Mallory Duracell brand alkaline batteries. They have a bundle of six 1.5 volt cylindrical cells, bound together and interconnected by pressed-together metal strips and cardboard insulators. When you pry off the outer metal jacket, the whole thing just kind of disassembles itself.

Well, "who cares?", you ask. Homebrewers, that's who! These cells are slightly smaller than AAA cells and great for somebody building miniature rigs with teeny-tiny battery packs. Obviously you can get 9 volts worth in the 9-volt battery form factor. If you are powering 5-volt electronics you can probably get by with three of these mini-cells to give you 4.5 volts. And a 12-volt powerhouse can be built

using eight cells. The best part is that by stripping a 9 volt alkaline battery back you can get cells that are even smaller than the AAA size and they cost less, too.

Of course when you strip batteries to get the cells, use new ones. Old ones will have worn-out innards. And the internal cells don't have hermetic sealing. After a while their electrolyte may tend to leak out. This will surely be corrosive to electronic components and may pose unknown risks to humans. Check them frequently and dispose them when they show signs of deterioration.

Now you can not only miniaturize your QRP rig, but the battery pack too!

-----End of Included File-----

72/73,

Joe E. N2CX

From owner-qrp-1@netcom.com Tue Feb 21 14:20:42 1995
Date: 20 Feb 95 20:26:16 EST
From: Craig LaBarge <74740.3166@compuserve.com>
Subject: Cabinet Labels
Message-Id: <950221012616_74740.3166_EHB23-2@CompuServe.COM>

Here's some comments I received in response to my recent question about applying labels to cabinets:

Bruce, W6TOY/3 wrote:

A method I'm messing with at the moment is to use the PC Paintbrush utility that comes with Windows. You can scale the drawing area to the same size as the panel (or slightly smaller), draw what you want in the way of dials, add text lettering, and then print it out on a laser or ink-jet printer. Then either glue the paper to the panel with rubber cement or put it down under clear plastic sheet. The clear plastic sheet can be had at the drafting store under the name of MACKTACK (or MACTAC). This method also allows you to make color panels or color lettering!

Marty, KD8BJ, wrote:

I used a brother label maker, if you can find one to use buy some clear see through labels and either use white or black letters, now mine has white background labels with black letters. But then I am just looking to see what control does what, I may go back and redo them with clear

later.

Steve, WB3LGC, wrote:

In the current March QST, under new products, is information (some) about a wet decal system you use by running it through a xerox of dye sublimation printer... Make your own logo and labels... sounds great. A model train friend said he has seen it (or something like it) used for model train logo etc...

Glen, VE3DNL, wrote:

You have a computer, don't you? Now if you have a drawing package on it, like "paintbrush", or even better: "autocad", then consider laying out the text for labels as you please. Then run it thru a laserprinter on transparency material. Cut out the holes for the controls and plant it on your front panel.

This works really nicely if you can convince your drawing package to do a mirror image of the lettering. Then when you mount the transparency, the lettering will be on the inside, protected from getting scratched off.

Thanks, everyone, for the real good suggestions.

73, Craig WB3GCK

From owner-qrp-l@netcom.com Tue Feb 21 09:28:53 1995
Date: Tue, 21 Feb 1995 09:59:24 -0330
Message-Id: <199502211329.JAA10936@public.compusult.nf.ca>
From: rgobrick@public.compusult.nf.ca (Robert J. Gobrick)
Subject: Colorado QRP Club QSO Party

Many QRP-L folks missed a great opportunity to improve their qrp contesting skills. The Colorado QRP group held a nice little qrp qso party this past Sunday and I was able to make 15 Q's with many of the members, including the pres and qrp-l member Rich WOHEP. 15 and 20 meters was open from the East Coast (I operated from my VE2DRB home in Montreal) to Colorado for most of the contest.

The CHALLENGE was working the qrp stations through the very active ARRL DX contest that was going on at the same time. First you had to hear the qrp stations through the QRO contest stations and the second challenge was trying to prevent the DX contesters from calling ME when I called CQ QRP TEST.

The Colorado club was well represented by members and they made a good showing. My only suggestion for next year (and this suggestion goes for all QRP clubs) - please schedule your qso parties when a major contest IS NOT going on. I know this is hard to plan but it needs to be done to get better participation.

Anyway lots of fun and congratulations to the CO QRP gang for their first qso gathering.

72 Bob VO1DRB/WA6ERB

From owner-qrp-l@netcom.com Tue Feb 21 14:01:17 1995
Date: Tue, 21 Feb 1995 09:48:11 -0500 (EST)
From: "DONALD A. COLEMAN (EXT. 2850)" <DACOLEMAN@fair1.fairfield.edu>
Subject: Re: contesting on WARC
Message-Id: <01HNB23TP5G290NQ2G@fair1.fairfield.edu>

I also vote *no*. Those bands are all we have left if we don't happen to be contest or net freaks, for goodness sake!

Don Coleman, W1VOQ

From owner-qrp-l@netcom.com Tue Feb 21 15:59:32 1995
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re: CQ Bad Debt & Ade W0RSP
Date: Tue, 21 Feb 95 07:22:49 EST5EDT
Message-Id: <1995Feb21.072249.3504@wb3ffv.ampr.org>

You didn't miss it--there was never any ordering info posted to the list for the W0RSP book, History of QRP in the US. It's available directly from Ade himself by mail (don't know if he takes American Express!), and I trust that he will post info himself if he's willing to sell them via qrp-l. (Fascinating book!) 73 and Queue Our Pea DE WA8MCQ

--

Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From owner-qrp-l@netcom.com Tue Feb 21 08:35:00 1995
From: C=BAILEY%IS%211EIS@PAMDT.ANG.AF.MIL
Message-Id: <199502211225.EAA10656@netcom.netcom.com>
Date: Tue, 21 Feb 95 07:23:32 EST
Subject: CQC TEST Feedback.

Worked the Colorado Winter QSO Party this weekend. I had a good time except

for one thing....the ARRL International DX (CW) contest the same weekend. I managed to work 6 stations amidst the storming QRO types. Many sent QRP?? One station sent to me "I'm not QRP but your signal is". We QRP'ers got stomped on! Could the contest be moved next year, please?

Also if someone could email results to the list or myself, that would be nice.

Thanks for a fine effort on your first club contest Colorado QRP Club. I like the name multiplier. That was unique. Also like the prize drawing for the Spider kit. I stuck it out just to make my 6 contacts!

72 de cameron, kt3a

From owner-qrp-1@netcom.com Tue Feb 21 21:42:59 1995
From: JimN00CT@aol.com
Date: Tue, 21 Feb 1995 18:21:33 -0500
Message-Id: <950221182104_28305008@aol.com>
Subject: Re: CQC TEST Feedback.

Regarding the CQC test, I don't know if it should be moved to another weekend. All contests require participants to use their skill to make as many points as possible. With this contest, i think the idea is to run 40 meter CW in the early afternoon, and SSB all bands the rest of the time.

After about 2130 UTC, 40 meters CW was toast here in STL due to the QRO types. I made 4 or 5 contacts. Was fun, but painting the living room walls was more important to the YF!

73, Jim N00CT

From owner-qrp-1@netcom.com Tue Feb 21 13:59:26 1995
From: CQC@aol.com
Date: Tue, 21 Feb 1995 11:55:04 -0500
Message-Id: <950221115504_27943885@aol.com>
Subject: CQC Winter QSO Party

It's all over except the logs. Yes, we had a major problem with the DX contest. When originally set up, we thought we had a clear date. We'll check closer for the next one (in August).

Band condx were very good from Colorado at least. The DX test was great with 1 watt to EA8EA on 40m on the first call. I guess my center fed zepp up 20' is working ok. On 15 we had a problem with 9Y4VU parked on 21.060 for the entire contest period. His KW was a killer! Another Alpha?? Even so, some of the QRPers came through. I did hear AE4CA and WA8LCZ, but just couldn't get them.

It seems the highest scores so far are from SSB. No DX contest there. 40m early before the DX guys took over was pretty good, too. Not much on the novice/tech frequencies, I am sorry to say.

It was fun for the first contest. The name multiplier was very good and added something from the usual 599C0 in the DX contest. We'll make a few minor changes in future contests. The log will be corrected and hopefully will have a Sunday with no major contest, if that is possible.

Be sure you send your logs with 6 or more QSOs. Deadline is March 19. Results will be posted here later.

Comments on the contest from members are encouraged for the Low Down. Email to me at CQC@aol.com for the next Low Down. Low Down #7 is about finished.

72, Rich W0HEP

From owner-qrp-l@netcom.com Tue Feb 21 15:02:18 1995
From: PDouglas12@aol.com
Date: Tue, 21 Feb 1995 09:57:25 -0500
Message-Id: <950221095723_27854312@aol.com>
Subject: Dayton list

As promised, I have been collecting emails from qrp-listers who plan to be at Dayton.

The following qrp list subscribers have emailed me to advise that they will be at Dayton:

Preston Douglas WJ2V
David Feldman WB0GAZ
Mike Flanagan KB8NKX
Bruce Florip AA7ARY/6
Bill Kelsey N8ET
Hank Kohl K8DD
Ed Manuel N5EM
David Meacham W6EMD
Peter Meier WK8S
Michael Rioux NW1J
Jim Stafford W4QO
Monte "Ron" Stark KU7Y
Tom N9DD (need last name)

Any correction/additions? Please email me and I will keep a running list. I will post once a week until April, then maybe more frequently, as needed and tolerated by other subscribers. Any suggestions how we may identify each other as fellow listers? I am not good at memorizing call letters! 72 all.

Preston WJ2V

From owner-qrp-1@netcom.com Tue Feb 21 19:47:22 1995
Date: Tue, 21 Feb 95 13:11:26 PST
From: dwatson@nskernel.tandem.com (watson_dan)
Message-Id: <9502212111.AA14363@razorback.nskernel.tandem.com>
Subject: Dinner in Mt. View, CA, with Chuck Adams

Hi,

For those of you in the Silicon Valley area, Chuck Adams, K5F0, is still in the area. We're setting up another get-together on Thursday night, 2/23, at Two Guys From Italy. Time is the same as usual, 6:30 pm.

Hope you can make it.

Dan Watson
N6QGI

From owner-qrp-1@netcom.com Tue Feb 21 21:38:59 1995
From: stockton@stockton.ppco.com
Message-Id: <9502212256.AA17201@stockton.ppco.com>
Subject: DX contest weekend
Date: Tue, 21 Feb 95 16:56:05 -0600

Brian Carling wrote -
>It was a hopeless situation here. I tried for the QRP contest
>but the QRP frequencies were all totally covered up by the DX
>contest. Who arranges the TIMING on these things?!!
>I didn't hear even ONE QRP contestant, so gave up and joined the fray
>with 100 watts and worked dozens of good contacts.

Well, I stuck with qrp (its all I've got!) and played with the DX contest. Worked about a dozen new ones on 20 and 15 with 1 watt. (Heck, they're all new to me). Even worked KH6 on 40M. Then I thought of the little "universal qrp xmitter" that I dremelled out a couple of weeks ago - used all junk box parts (2N4401/2N3053). Didn't have time to put in a box, so I jumpered it to the ant and p.s. Worked two carribian stations. Xtal controlled and about 750mw, I think. Those QRO contests are good for something after all.

++++++
Glen E. Stockton K5UP ges@ppco.com
 Bartlesville, OK
++++++

From owner-qrp-1@netcom.com Tue Feb 21 15:34:28 1995

From: "Andrew Comas" <Andrew.Comas@ska.com>
Message-Id: <9502211116.ZM714@knicks>
Date: Tue, 21 Feb 1995 11:16:26 -0500
Subject: Field Day dates?

Can some one tell me if this year's Field Day is June 17 and 18?

Also is the ARCI Spring QSO April 8 & 9th?

Thanks.

73s de Andrew AA2UG (formerly KF2JH)
andrew.comas@csusa.ska.com

From owner-qrp-1@netcom.com Tue Feb 21 05:07:31 1995
Date: Mon, 20 Feb 1995 21:24:50 -0800 (PST)
From: H Smith <hbs@crl.com>
Subject: Fox report
Message-Id: <Pine.SUN.3.91.950220211514.567A-100000@crl9.crl.com>

First, Congrats Bob, W03B on working Andy, F3NB. He gave you a 559, not bad, I only got a 449 out of him right before you worked him :-)

I got home late tonight and worked the Foxy one, KU7Y (Ron) and W03B. Didnt hear any of the others. Pity. :-(

Working the F3 made up for it however. Running 5 Watts with the TS-50 at home (no /m tonite) with the Delta Loop.

I heard several Europeans down the band, so condx must be good.

CUL,

Smitty, NA5K

Henry Smith (hbs@crl.com)

From owner-qrp-1@netcom.com Tue Feb 21 09:29:03 1995
Date: Mon, 20 Feb 1995 21:50:26 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
Subject: FOX Results
Message-Id: <Pine.SUN.3.90.950220213743.14032B-100000@nimbus>

Thanks to all who worked me. The condx were a bit strange. Had a pipeline into NM and TX. Sigs got

better as time went by.

But only one station from CA and that was weak. One from CO which was also strong. MI and IL were weak.

Stations worked:

AB5OU
KK6MC/5
KB0LMQ
WB6HQQ
K5UP
NA5N
W5XE
KC5EQC
NA5K
AL7EV
NN9K

NA5N, KK6MC/5, W5XE AND AB5OU all checked later in the evening to let me know I was still being heard. Went from 0422 to 0500 without a new contact!

Was lots of fun and I think we need to keep up this kind of activity. Solder fumes are good but so is all the ozone from the key contacts! Opps, forgot, most here are not old enough to remember those days.....

I'll also say no to testing on the WARC bands. Lets see about making some NorCal 40a's and etc work on 80 and do the the next one there?

72's, Ron

.....KU7Y.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Sun Valley, Nevada....
.....ARRL.....NorCal #330.....NRA LIFE.....

From owner-qrp-l@netcom.com Tue Feb 21 16:24:44 1995
From: Schroeder.Wbst207V@xerox.com
Date: Tue, 21 Feb 1995 10:12:46 PST
Subject: Re: FOX Results from WNY
Message-Id: <"21-Feb-95 13:12:47".*.Schroeder.wbst207v@Xerox.com>

Ron,

Conditions were strange from WNY also. Heard the fox about 0320 calling CQ. Signals were very weak and only lasted a few seconds, buried in the assorted

crud

on 7110.6 kHz. Shortly thereafter, heard a very weak "6" working the fox. No further signals heard. Tuned to 7040 at 0400, heard the fox again at 0410 calling

CQ for a few seconds then nothing further. Finally shut down at 0440. During the whole session, did not hear any hunters except for the "6". Oh well, better luck

next time. We should definitely keep the action going. I've only heard / worked one other fox but have a had a lot of fun trying.

73 Russ W2DYY

schroeder.wbst207v@xerox.com

From owner-qrp-l@netcom.com Tue Feb 21 14:01:38 1995

Message-Id: <ab6fa914000210041108@[192.31.66.240]>

Date: Tue, 21 Feb 1995 07:51:08 -0700

From: ji3m@scubed.scubed.com (James R. Duffey)

Subject: Fox was strong, hunters weak at KK6MC/5!

The fox, KU7Y, Ron, was loud, 579-599 here last night when he came on at 0300. He peaked at 10 to 20 dB over 9 on my TS850 meter, with about S1-S2 noise, about an hour later, and didn't fade into the noise until about 0445. Unfortunately most of the hunters were weak or inaduable here.

I tuned around at 0300 and found Ron in QSO with AB50U, Tim. I could not hear Tim who is about 225 miles to the south of me. Last week Tim peaked at 579 here and then promptly faded out. Not a peep this time. I called Ron when Tim finished and he came right back. Ron then worked KB0LMQ who I could not hear. Foreign broadcast came on and forced Ron to move. He worked WB6HQQ, who I could hear weakly. HQQ was a station who was in loud last week as well, albeit it an hour earlier. Ron worked K5UP who I didn't hear as well then QSYed up a bit. I thought he worked NA5N then, but it could have been NA5K, I couldn't hear the NA5at all. My daughter turned on her hair dryer, an S8 noise maker, so I didnt hear much for 10 minutes or so.

Ron QSYed to 7040 and I heard him in QSO with NA5N. I could tell that Paul, NA5N, was in there, but that was about all. He lives in Socorro, about 85 miles as the roadrunner flies from me. Anyway, I heard his two dits to end the QSO and gave him a call to move up 2. He didn't hear me and Ron relayed. I called Paul QRO (shudder) up 2, but the band was not good for short skip and we didn't connect again. Meanwhile Ron was peaking 10 db to 20 db over S9 here.

I felt sorry for Ron calling CQ with such a beautiful signal and no takers so I callled him again and let him know it was not his signal that prevented him from getting contacts. I heard AL7EV work Ron from MIchigan.

AL7EV had a lot of QSB on his signal varying from S2 to S7. Ron also worked NN9K shortly after that, but I couldn't hear NN9K either. Last week NN9K had a monster signal here! At 0430 Ron's signal started to drop as propagation went west, and by 0450 he was below the noise more than above it so I called it QRT and went to bed.

With the later start time I was surprised that more left coast stations were not heard. I would suspect that Ron had the same type of signal into much of CA, OR and WA that he had into NM.-Duffey KK6MC/5

James R. Duffey ((505) 764-3143)
Maxwell Laboratories, S-Cubed Division
2501 Yale Blvd SE Suite 2501
Albuquerque, NM 87106-4125

From owner-qrp-l@netcom.com Tue Feb 21 20:30:21 1995
Message-Id: <n1418734950.21687@msmailgw1.arlut.utexas.edu>
Date: 21 Feb 1995 17:25:28 -0600
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: Good CQ article by Rich; Miles per W.

To answer the questioner who posted on what was the miles per watt record? Look at the CQ magazine (U.S.) for this month for the QRP article by Rich, K7YHA. He has a photo of a pair who got millions of miles per watt.

It is a good overview of QRP and I am glad to hear that it is a two parter, as I thought it should be longer. Somehow, I missed that it was part 1 of 2.

As to keeping the miles per watt records, QRP-ARCI is like the rest of us, if no one writes in to the news column with the claimed records, how would they know?

I think it is amazing that some of the people who are on here, presumably have real jobs, and find time to write, edit, layout, assemble, proof, print, label, mail, renew subscriptions, and investigate topics to cover can manage to put out the healthy size that QQ is today. I don't believe the staff is paid, and they cover the timely reviews of rigs as well as any of the general interest mags. And, maybe they review a bit more critically, which is fine by me, and they can do that, because they are not carrying ads from the ones being reviewed. I for one appreciate the officers and magazine staff of QQ and QRP-ARCI, and wish to give them a mighty Thank You here as I will not be able to do it in person at Dayton. (Mike please freely copy this to the other officers). 72 and 73, Stuart K5KVH

From owner-qrp-l@netcom.com Tue Feb 21 13:06:55 1995
From: "Tim Stabler" <TSTABLER@iunhaw1.iun.indiana.edu>

Date: Tue, 21 Feb 1995 10:51:05 CST
Subject: Hambrew
Message-Id: <7C231C5BB5@iunhaw1.iun.indiana.edu>

In the QRP list from Brian, the phone number for Hambrew magazine is wrong. George, the publisher, no longer has a 800 number. The phone number is (303)989-5642. Use this for all subscriptions. Remember, the cost is now \$10/year for the US, \$15/year for Canada and Mexico and \$21/year for international. The difference is for mailing. In the US, it is second class while the rest of the world gets it first class mail.

I am a big backer of the magazine but have no connection there. I just think this is the kind of a magazine I want as an amateur operator.

72 & 73 de Tim WB9NLZ

From owner-qrp-1@netcom.com Tue Feb 21 19:04:43 1995
Message-Id: <n1418744858.25027@msmailgw1.arlut.utexas.edu>
Date: 21 Feb 1995 14:40:00 -0600
From: "rohre" <rohre@msmailgw1.arlut.utexas.edu>
Subject: Heat sinks for T0-39 (top hat) xistor

Ouch!

Ted, KF8EE is up against a tough one. The T0-39 has been around awhile, but never was a real common animal. It looks like an infant T0-3 package in a way.

Of course, in the original applications it was usually mounted flat to a metal surface as you would a T0-3, but Ted, I imagine you want it to sit in the middle of a QRP board as I have seen it done on some other applications. There are no clamp on finned heat sinks in this can diameter that come to mind. I would suggest, if you can not mount the flange on a heat dissipating surface, you could try to clamp something to the top hat can sticking up from the flange. That won't be the optimum heat transfer path, but may work along with good ventilation. What comes to mind is copper tubing, hack sawing a slot down its side, so it can be expanded to slip over the can. You need to use silicon grease between the can and the copper. Another idea is the flag heat sink; a metal clamp of copper that wraps around the can, and sticks out to the side with two flat pieces that can be screwed together, to form a flag and pole effect. Remember, also, that if your application is short duty cycle like intermittent transmitting of CW, maybe you can push the device and get some heat off with only the can and flange. Which device specifically are you using, and at how much power? Depending on whether this is for QRP portable, you might use one of the little fans Radio Shack has been selling off, the 12 volt ones. I checked Allied Radio Catalog, and NO T0-39 heat sinks are listed any more; so unless one of the Silicon Valley surplus stores has them all,

they are a dinosaur. Good Luck! 73, Stuart K5KVH

From owner-qrp-1@netcom.com Wed Feb 22 02:34:31 1995
Message-Id: <199502220438.XAA00203@jfwhome.funhouse.com>
Subject: Re: Heat sinks for T0-39 (top hat) xistor
Date: Tue, 21 Feb 1995 23:38:45 -0500
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

> Ted, KF8EE is up against a tough one. The T0-39 has been around awhile, but
> never was a real common animal. It looks like an infant T0-3 package in a
> way.

Uh, what? According to my DigiKey catalog, a T0-39 package is a very slightly fatter T0-5 package (8.26mm nominal diameter versus 8.13mm). A Motorola transistor data book agrees about the size of the T0-39 (though it doesn't list T0-5, so I can't compare that directly). I think that any T0-5 heat sink will *probably* work on a T0-39, if you push it hard enough.

Apparently there has been a terminology change at some point; T0-39 is now also listed as T0-205AD in my Moto handbook.

From owner-qrp-1@netcom.com Wed Feb 22 02:33:21 1995
Message-Id: <199502220451.XAA00243@jfwhome.funhouse.com>
Subject: Re: Heat sinks for T0-39 (top hat) xistor (confirmation)
Date: Tue, 21 Feb 1995 23:51:33 -0500
From: "John F. Woods" <jfw@jfwhome.funhouse.com>

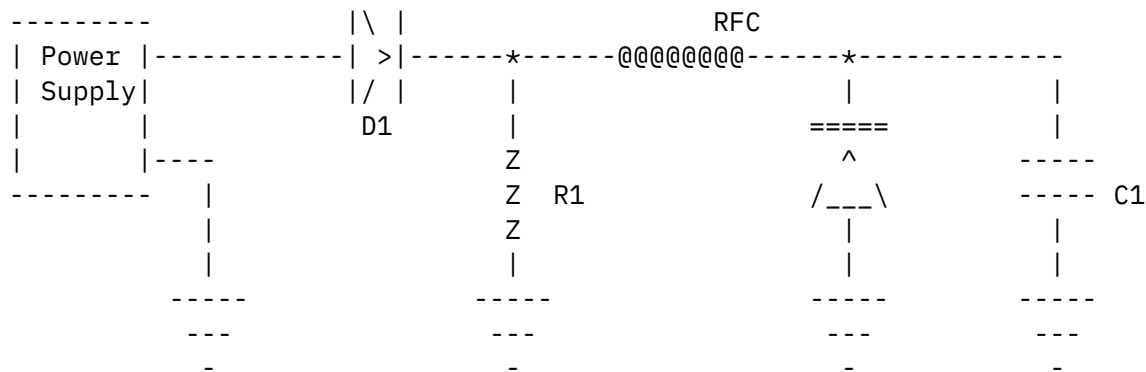
Not a common animal? RF Devices Volume I (Moto) says the 2N3866 is a T0-39, and I *know* I've jammed "T0-5" heat sinks on them. (So's the 2N3553.) Somehow I suspect that "T0-5" and "T0-39" are the result of manufacturers not quite getting it right when they copied each other's transistor packages.

An interesting side note: Motorola also has a "T0-39 CE" package, which looks like a squat T0-39 that may be ever so slightly wider on average than the T0-39: the can width for regular T0-39 is given as 7.75 to 8.50mm, and for T0-39 CE it is 8.01 to 8.50mm.

From owner-qrp-1@netcom.com Wed Feb 22 01:38:12 1995
Date: Wed, 22 Feb 1995 00:26:34 -0500
From: "John F. Woods" <jfw@jfwhome.funhouse.com>
Message-Id: <199502220526.AAA00370@jfwhome.funhouse.com>
Subject: How to temperature compensate tuning diodes.

Motorola Application Note AN-551, in the RF Device Data Volume II manual, has details on how to temperature compensate their Epicap diodes. The simplest scheme is to place a forward-biased diode in series with the control voltage, which will partially compensate for the change in contact potential of the Epicap diode itself. They also note that the

The basic temperature compensation circuit looks like this:



An MV2101 diode has a +350ppm/*C characteristic at 2V bias (down to +70ppm at 30V bias). Without C1, they were able to bring it down to about +-50ppm; with C1, down to +-25ppm.

72, John, WB7EEL

Hold all calls.
Put on the coffee.
The soldering iron is warming up.
No! - I can't come out and play!
My NorCal 40A arrived today! Hoooooraaaaay!!!!

First impressions: It's tiny! I guess I don't visualize the size of

something very well from printed dimensions.

The manual is absolutely fantastic! Great job Wayne!

I'm sure I'll be sleepy eyed at work in the morning. I have a tendency to work into the wee hours on fun projects like this. I don't care though, I've been eagerly waiting for this project to arrive forever, it seems.

Thanks to all the wonderful hams out on the left coast who have worked so hard on the NorCal projects. I'll let everyone know how my new rig does in a few days (or sooner!)

72,

Tom N9DD

From owner-qrp-1@netcom.com Tue Feb 21 15:25:52 1995
Subject: Mini-Expedition Sunday
From: brian.carling@acenet.com (Brian Carling)
Message-Id: <2a6.11691.500@acenet.com>
Date: Tue, 21 Feb 1995 06:16:00 -0500

>From: brian.carling@acenet.com

AB5WB wrote to ALL

AB>There are five local hams interested in operating the
AB>Colorado Club QRP Contest tomorrow from the top of Sugarloaf
AB>Mountain in El Paso. So, not to disappoint them, Al (AB5TZ)
AB>and I will lead a little mini-expedition up to the summit for
AB>some SSB and maybe even CW on 20 meters during the contest.

AB>The calls that might be "burning" up the cosmos will be:

AB>warmup exercise. We will try to stick to the traditional QRP
AB>calling frequencies for the duration but will probably be done
AB>an hour before the contest ends so we can find our way off the
AB>mountain before dark. We hope to hear a lot of folks on.

AB>72 es 73

AB>Andrew - AB5WB

It was a hopeless situation here. I tried for the QRP contest but the QRP frequencies were all totally covered up by the DX

contest. Who arranges the TIMING on these things?!!
I didn't hear even ONE QRP contestant, so gave up and joined the fray
with 100 watts and worked dozens of good contacts.

72.00095761 de AF4K (Pentium!!)

~ SLMR 2.1a ~ Practice DELIBERATE kindness and unselfish acts of love!

From owner-qrp-l@netcom.com Tue Feb 21 08:20:29 1995
Message-Id: <199502210535.VAA11889@mail2.netcom.com>
Subject: Re: need 30/40 help
Date: Mon, 20 Feb 95 21:36:02 PST
From: "Stan Goldstein, N6ULU" <stan@cruzio.com>

FOXG@wctsub.ctstateu.edu writes:

>

> My 30/40 will 'walk' back and forth frequencies while operating. It is
> not a drift as much as it is an instantaneous pull and then return. The
> pull is not always the same shift from the set frequency. It always seems
> to return to the original frequency only to do the dance again.

I had a "pull" on transmit with mine too. I cant say it walked.. just
transmitted about 3-500 hzz off freq. Also it wasn't intermittent.
I replaced the voltage regulator and that fixed it.
Let us know how it comes out.

--

72.5 (almost a full qrp convert)
Stan Goldstein , N6ULU

From owner-qrp-l@netcom.com Tue Feb 21 02:35:24 1995
Message-Id: <9502210310.AA05002@ig1.att.att.com>
From: mvjfm@mvubr.att.com (James M Fitton +1 508 960 2577)
Date: 20 Feb 95 22:07:00 -0500
Subject: NG1G Adr...

Jack, NG1G is the membership manager for QRP-NE.

He has 2 PO Boxes.....
PO Box 1153 is for business,
PO Box 93 is for QRP-NE.

Jim W1FMR

From owner-qrp-1@netcom.com Tue Feb 21 04:54:45 1995
From: David Adams <dave@flowserver.stem.com>
Message-Id: <9502210524.AA03771@flowserver.stem.com>
Date: Mon, 20 Feb 95 21:23:41 -0800
Subject: norcal 40a

It never fails...I just came into enough dough to buy a norcal kit. Are all the 40as gone?

Dave

From owner-qrp-1@netcom.com Wed Feb 22 00:21:59 1995
Message-Id: <9502220403.AA07167@interval.interval.com>
Date: Tue, 21 Feb 1995 20:05:24 -0800
From: burdick@interval.com (Wayne Burdick)
Subject: NorCal 40A and the rogue MPF102

NorCal 40A builders (and expectant builders):

I forgot to mention in the manual that some kits may arrive with a single MPF102 as a substitute for the PN4416. The MPF102 can be used in place of a '4416 in the VFO with no effect on performance.

I hear that two of the critters are already up and running, and Bob Dyer (Mr. Shipping) has sent out about a third of them as of today. He has all the rest ready to go, so I'm still quoting delivery by the end of this month.

Have fun, and please let me know if you have problems or wild success (or anything in-between).

73,
Wayne

From owner-qrp-1@netcom.com Tue Feb 21 15:57:52 1995
Date: Tue, 21 Feb 1995 06:32:25 -0500 (EST)
From: James Lyons <jlyons@CAM.ORG>
Subject: Re: NorCal Sierra Kit For Sale
Message-Id: <Pine.SOL.3.91.950221063129.11051E-100000@stratus>

Wish I didn't already have one ... I'd *** love *** to assemble one again!

Jim, VE2KN

On Mon, 20 Feb 1995 K7YHA@aol.com wrote:

> I have an unbuilt NorCal Sierra and band modules for 80, 40, 20 & 15 meters
> that I am not going to assemble. The first \$300 takes it. Call: Rich (717)
> 825-5395 after 9PM EST M-F or anytime on weekends.
>
> 72 rich
>

From owner-qrp-1@netcom.com Tue Feb 21 20:04:58 1995
Date: Tue, 21 Feb 1995 16:25:38 -0600 (CST)
From: Jeff Gold <JMG@tntech.edu>
Subject: plus order
Message-Id: <01HNBVFQCACED3ZLH4@tntech.edu>

Guys and Gals.

I guarantee Index Labs will not be dissapointed. I am going to send them all the paperwork for all ***** 37 ***** orders.

What a group!!!

By the way, any of you thinking about doing this, don't. It is almost a full time job keeping up with the paperwork and email.. and then after putting in MANY MANY hours on it, you get some people thinking you did awful stuff and writing poison email.. just not worth it.. glad I did it, never go near it again.

For all of you who ordered, sure hope I didn't mess up. After tomorrow please direct any correspondence about delivery and such directly to Index. It has already been a bit expensive on my part (can make calls from work phone unless I use my personal charge card). I plan on patiently awaiting my unit. I am confident that Index will eventually ship me one :).

73,72 and still counting.

Jeff, AC4HF

From owner-qrp-1@netcom.com Tue Feb 21 01:14:50 1995
Date: Mon, 20 Feb 1995 19:17:09 -0700 (MST)
From: Rick Zabrodski <zabrodski@med.ucalgary.ca>
Subject: Re: QRP DX hint
Message-Id: <Pine.SUN.3.91.950220191448.13644F-100000@ume>

The most important point about working dx in the arrl test is having a W1

call, QRO or QRP!

us guys in the middle of the continent, close to the north pole get to listen to you easterners and turn green with envy!

```
*****
Dr. Rick Zabrodski BSc, MD, CCFP(E)      *                VE6GK
Email: zabrodsk@med.ucalgary.ca          * NorCal 519  ARCI 7099  GQRP 8329
Phone 403-271-5123 Fax 403-225-1276      * "Power is no subsitute for skill"
*****
```

On Sun, 19 Feb 1995 FOXG@WCSUB.CTSTATEU.EDU wrote:

```
> I really should have posted this before the ARRL DX Contest, however,
> Saturday night during this and most contests is a great time to work some
> good DX. Over the course of 12 minutes, I worked HG1S, OM3KFF, S51QZ and
> OK1RF. Obviously, these guys were running 'heat' and using big antennas.
> Normally, the second evening has slim pickins for Europeans looking for the
> US. I needed no more than two calls in any case and did most with 1.
> All three were better than 1000 mi/watt with my NORCAL running a smidge
> under 3 watts.
>
> 73, Geoff WA1U
>
> p.s. - A splendid time was had by all at the QRP N.E. meeting at the league
> this past Saturday. Highlight was the family photo of 8 NN1G type xx/40's.
> Each one was totally different in packaging and construction technique.
>
```

From owner-qrp-l@netcom.com Tue Feb 21 01:19:43 1995
From: ab4el@cybernetics.net (Stephen Modena)
Message-Id: <9502210124.AA01947@cybernetics.net>
Subject: The *REAL* SSB QRP Fox Hunt Announcement! ! !
Date: Mon, 20 Feb 1995 20:24:04 -0500 (EST)

[The previous *mis-fired* message is replaced with this genuine article.]

!!!! Announcing this week's SSB fox hunt ! ! ! !

==> IMPORTANT: Pay attention to the *new* times <==

SSB QRP Fox: Warren AD4ZE in NC

SCHEDULE: Times are EASTERN STANDARD on WED evening 22 February

EST TIME	BAND SEG
-----	-----

8:30--9:00 pm 7.225-7.231 (Not higher! The Century Club Net
is on 7.2335 at that time!)

9:00--9:30 pm 7.210-7.220 Requires EXTRA/ADVANCED license

<band hop period>

9:30--10:00 pm 3.780-3.788 Requires EXTRA/ADVANCED license

10:00--10:30 pm 3.900-3.910

!!!! Did you catch the *new* times? ! ! ! !

--

73/Steve/AB4EL ab4el@Cybernetics.NET in Raleigh, NC 35.81245N, 78.65849W

From owner-qrp-l@netcom.com Tue Feb 21 03:02:09 1995

Date: Mon, 20 Feb 1995 23:48:49 -0400

Message-Id: <199502210348.XAA24798@Fox.nstn.ns.ca>

From: nburgoyne@fox.nstn.ca (Nelson H Burgoyne)

Subject: unsubscribe

unsubscribe qrp-l

From owner-qrp-l@netcom.com Tue Feb 21 18:29:32 1995

Date: Tue, 21 Feb 1995 18:27:31 GMT

Message-Id: <199502211827.SAA06024@gate1.internet-eireann.ie>

From: nedcollins@internet-eireann.ie (Ned Collins)

Subject: unsubscribe

unsubscribe qrp-l